

LSC Transportation Consultants, Inc.

Experience and References

SOUTH GOLDEN ROAD ACCESS STUDY

Project Location

Golden, Colorado

Client

City of Golden
911 Tenth Avenue
Golden, CO 80401

Project Manager

Alex J. Ariniello

Date

1996 - 1999

Reference

Steve Glueck
Planning Director
303-384-8095



Dan Hartman
Public Works Director
303-384-8150

Description

South Golden Road between Ulysses Street and Johnson Road in Golden was an 84-foot wide arterial with dozens of driveways producing numerous vehicle and pedestrian conflict points within a short one-mile segment of city street. Several fast-food restaurants, two shopping centers, a post office, animal hospital, gas/convenience store, and several free-standing businesses generate a large amount of traffic with almost non-existent access control. LSC developed three *Access Control Plans* to improve traffic flow and reduce vehicle conflicts. Two of these plans involved roundabouts at several locations. LSC analyzed the capacity and Level of Service of the roundabouts in comparison with signalized intersections. The City chose the roundabout concept due to its aesthetic design and traffic calming characteristics. LSC assisted the City in presenting the roundabout concept and access control plan to the business community.

LSC prepared the conceptual design of four roundabouts on the South Golden Road project. These roundabouts were constructed in 1998 - 1999.

An interesting result of this project is that average speeds have decreased along the corridor, but travel times have gone down due to reduced delay at the intersections. In addition, accidents along the corridor have been reduced, with injury accidents reduced substantially. These results are presented in detail in the paper "*Are Roundabouts Good For Business?*", prepared by Alex Ariniello, posted on the City's website.